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PTO/SB/08A (08-03)

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| Substitute for Form 1449A/PTO | | | | Complete if Known | |
| | | | | Application Number | 10/044,539 |
| | | | | Filing Date | January 11, 2002 |
| | | | | First Named Inventor | Cech, Thomas |
| | | | | Art Unit | 1632 |
| | | | | Examiner Name | Lieto, Louis D. |
| Sheet | 1 | of | 2 | Attorney Docket Number | 015389-002630US |

| U.S. PATENT DOCUMENTS+ | | | | | |
|-------------------------------|-----------------------|-----------------|----------------------------------|--------------------------------|--|
| Examiner Initials* | Cite No. ¹ | Document Number | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | | Number | Kind Code ² (# known) | | |
| | A1 | | | | |
| | A2 | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|---------------------------------|-----------------------|---------------------------|---------------------|----------------------------------|--------------------------------|--|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | | Country Code ³ | Number ⁴ | Kind Code ⁵ (# known) | | |
| | B1 | | | | | |
| | B2 | | | | | |

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|--------------------|----------------|-----------------|----------|
| Examiner Signature | <i>lmd/lkt</i> | Date Considered | 10.27.04 |
|--------------------|----------------|-----------------|----------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| Substitute for form 1449B/PTO | | | | <i>Complete If Known</i> | |
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| NON PATENT LITERATURE DOCUMENTS | | | | |
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| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | |
| LDL | C1 | ANDERSON, W. FRENCH "Human Gene Therapy" <i>Nature</i> , April 30, 1998, pp. 25-30, Vol. 392, Supp. | | |
| ↓ | C2 | HORNSBY, PJ et al. "Adrenocortical Cells Immortalized by Telomerase: Potential Use for <i>Ex Vivo</i> Gene Therapy" <i>Journal of Anti-Aging Medicine</i> , 2000, pp. 411-417, Vol. 3, No. 4. | | |
| ↓ | C3 | OSTLER ELIZABETH L. et al. "Telomerase and the Cellular Lifespan: Implications for the Aging Process" <i>J. of Pediatric Endocrinology & Metabolism</i> , 2000, pp. 1467-1476, Vol. 13, Supplement 6, Freund Publishing House Ltd. London. | | |
| ↓ | C4 | | | |

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|--------------------|-----------------------|-----------------|----------|
| Examiner Signature | <i>Louis D. Lieto</i> | Date Considered | 10-27-04 |
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U.S. PATENT DOCUMENTS+

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|--|
| | | Number Kind Code ² (if known) | | | |
| LNL | A1 | US-6,597,697 | 01-26-1997 | Diamond | |
| LNL | A2 | US-6,917,025 | 08-29-1999 | Collins | |
| LNL | A3 | US-6,168,178 | 12-26-2000 | Cech et al. | |
| LNL | A4 | US-6,309,867 | 10-30-2001 | Cech et al. | |
| LNL | A5 | US-6,337,200 | 01-08-2002 | Morin | |
| LNL | A6 | US-6,475,789 B1 | 11-05-2002 | Cech et al. | |
| LNL | A7 | US-6,610,839 B1 | 08-26-2003 | Cech et al. | |
| LNL | A8 | US-6,617,110 B1 | 09-09-2003 | Cech et al. | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---------------------------|---------------------|-----------------------------------|--------------------------------|---|--|--------------------------|
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| LNL | B1 | GB | 2 317 891 | A | 04-08-1998 | | | <input type="checkbox"/> |
| LNL | B2 | PCT | WO 93/23572 | A1 | 11-25-1993 | | | <input type="checkbox"/> |
| LNL | B3 | PCT | WO 94/17210 | A1 | 08-04-1994 | * | | <input type="checkbox"/> |
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| LNL | B6 | PCT | WO 98/23759 | A2 | 08-04-1998 | | | <input type="checkbox"/> |
| LNL | B7 | PCT | WO 99/33998 | A2 | 07-08-1999 | | | <input type="checkbox"/> |
| LNL | B8 | PCT | WO 99/38964 | A2 | 08-05-1999 | | | <input type="checkbox"/> |
| LNL | B9 | PCT | WO 00/46355 | A2 | 08-10-2000 | | | <input type="checkbox"/> |

Examiner Signature

Date Considered

7-22-04

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(use as many sheets as necessary)

Sheet 2 of 5

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| Application Number | 10/044,539 |
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| First Named Inventor | Cech, Thomas |
| Art Unit | 1646 |
| Examiner Name | |

Attorney Docket Number 015389-002830US

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|---------------------|-----------------------|---|--------------------------|
| LNL | C1 | ADAMSON, D. et al. "Significant Telomere Shortening in Childhood Leukemia", <i>Cancer Genet. Cytogenet.</i> , 1992; pp. 204-206, Vol. 61 | <input type="checkbox"/> |
| LNL | C2 | AUTEXIER, CHANTAL, et al., "Telomerase and cancer: revisiting the telomere hypothesis; Trends in Biochemical Sciences", 1996, pp. 387-391, Vol. 10, No. 21. | <input type="checkbox"/> |
| LNL | C3 | AVILION, A., "Characterization and expression of human telomerase," <i>Dissertation Abstracts International</i> , 1996, pp. 5930-B, Vol. 56, No. 11 | <input type="checkbox"/> |
| LNL | C4 | BARINGA, MARCIA, "The Telomerase Picture Fills In", <i>Science</i> , April 25, 1997; pp. 528-529, Vol. 276 | <input type="checkbox"/> |
| LNL | C5 | CHIU, et al. "Replicative senescence and cell immortality: the role of telomeres and telomerase (44075)", <i>Proc. Soc. Exp. Bio. Med.</i> , 1997, pp. 99-106, Vol. 214. | <input type="checkbox"/> |
| LNL | C6 | CHONG, L. et al. "A Human Telomeric Protein", <i>Science</i> , Dec. 1995, pp. 1663-1667, Vol. 270. | <input type="checkbox"/> |
| LNL | C7 | COLLINS, KATHLEEN, "Structure and function of telomerase", <i>Current Opinion in Cell Biology</i> , 1996, pp. 374-380, Vol. 8 | <input type="checkbox"/> |
| LNL | C8 | COUNTER, C. et al. "Telomerase Activity in Normal Leukocytes and in Hematologic Malignancies" <i>Blood</i> , May 1, 1995; pp. 2315-2320, Vol. 85, No. 9. | <input type="checkbox"/> |
| LNL | C9 | COUNTER, C. et al. "Telomere shortening associated with chromosome instability is arrested in immortal cells which express telomerase activity", <i>The EMBO Journal</i> ; 1992, pp. 1921-1929, Vol. 11; No. 5, Oxford University Press. | <input type="checkbox"/> |
| LNL | C10 | DE LANGE, T. et al. "Structure and Variability of Human Chromosome Ends"; <i>Molecular and Cellular Biology</i> ; February 1990; pp. 518-527, Vol. 10, No. 2. | <input type="checkbox"/> |
| LNL | C11 | FLAVELL, R. & MATHIAS, R. "Prospects for transforming monocot crop plants", <i>Nature</i> , 12 Jan. 1984, pp. 108-109, Vol. 307. | <input type="checkbox"/> |
| LNL | C12 | FRESHNEY, Culture of Animal Cells. A Manual Basic Technique, p. 4, Alan R. Liss, Inc. New York, 1983. | <input type="checkbox"/> |
| LNL | C13 | Genbank Accession No. A46242; September 21, 1993 | <input type="checkbox"/> |
| LNL | C14 | Genbank Accession No. L38903; January 30, 1995 | <input type="checkbox"/> |
| LNL | C15 | Genbank Accession No. Q06163; November 01, 1995 | <input type="checkbox"/> |
| LNL | C16 | Genbank Accession No. S39698; October 07, 1994 | <input type="checkbox"/> |

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Sheet | 3 | of | 5 |

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| Filing Date | January 11, 2002 |
| First Named Inventor | Cech, Thomas |
| Art Unit | 1646 |
| Examiner Name | |
| Attorney Docket Number | 015389-002630US |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|---------------------|-----------------------|---|--------------------------|
| LNL | C17 | Genbank Accession No. S53396; May 5, 1995 | <input type="checkbox"/> |
| LNL | C18 | GenBank Accession No. U95964; May 5, 1997 | <input type="checkbox"/> |
| LNL | C18 | GenBank Accession No. W70315; June 19, 1996 | <input type="checkbox"/> |
| LNL | C20 | GLASER, P. et al. "Bacillus subtilis genome project: cloning and sequencing of the 97 kb region from 325° to 333° Molecular Microbiology, 1993, pp. 371-384, Vol. 10, No. 2. | <input type="checkbox"/> |
| LNL | C21 | GOODMAN, R. et al. "Gene Transfer In Crop Improvement", Science, 3 April 1997, pp. 48-54, Vol. 236. | <input type="checkbox"/> |
| LNL | C22 | GREIDER, C. "Telomeres, Telomerase and Senescence"; BioEssays; 1990; pp. 363-369, Vol. 12, No. 8. | <input type="checkbox"/> |
| LNL | C23 | HARLEY, C. "Telomere loss: Mitotic clock or genetic time bomb?" Mutation Research; 1991; pp. 271-282, Vol. 256, Elsevier Science Publishers. | <input type="checkbox"/> |
| LNL | C24 | HARLEY, C. & VILLEPONTEAU, B. "Telomeres and telomerase in aging and cancer" Current Opinion in Genetics and Development; 1995, pp. 249-255, Vol. 5. | <input type="checkbox"/> |
| LNL | C25 | HARLEY, C. et al. "Telomeres shorten during ageing of human fibroblasts", Nature, 31 May 1990; pp. 458-460, Vol. 345. | <input type="checkbox"/> |
| LNL | C26 | HASTIE, N. et al. "Telomere reduction in human colorectal carcinoma and with ageing", Nature, 30 August 1990, pp. 866-868, Vol. 346. | <input type="checkbox"/> |
| LNL | C27 | HEALY, K. C. "Telomere dynamics and telomerase activation in tumor progression: prospects for prognosis and therapy" Oncol. Res., 1995, pp. 121-130, Vol. 7 | <input type="checkbox"/> |
| LNL | C28 | HENDERSON, C. Cancer genetics gene regulates telomerase resulting in death of cancer cells; Gene Therapy Weekly; 11 September 1995. | <input type="checkbox"/> |
| LNL | C29 | HIYAMA, E. et al. "Correlating telomerase activity levels with human neuroblastoma outcomes"; Nature Medicine; 3 March 1995; pp. 249-255, Vol. 1, No. 3. | <input type="checkbox"/> |
| LNL | C30 | HOLTZMANN, K. et al. "Telomeric Associations and Loss of Telomeric DNA Repeats in Renal Tumors", Genes, Chromosomes & Cancer, 1993, pp. 178-181, Vol. 6. | <input type="checkbox"/> |
| LNL | C31 | JÄHNE, A. et al. "Genetic Engineering of Cereal Crop Plants: A Review", Euphytica, 1995, pp. 35-44, Vol. 85, Kluwer Academic Publishers, Netherlands. | <input type="checkbox"/> |
| LNL | C32 | JOLLIFFE, L.K. "Humanized antibodies: enhancing therapeutic utility through antibody engineering". Int. Rev. Immunol., 1993, pp. 241-250, Vol. 10 | <input type="checkbox"/> |
| LNL | C33 | KIM, N. et al. "Specific Association of Human Telomerase Activity with Immortal Cells and Cancer", Science, 23 December 1994, pp. 2011-2014, Vol. 266. | <input type="checkbox"/> |

Examiner Signature

Tomis D. Lits

Date Considered

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DRAFT P

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Sheet | 4 | of | 5 |

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| Application Number | 10/044,539 |
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| First Named Inventor | Cech, Thomas |
| Art Unit | 1646 |
| Examiner Name | |
| Attorney Docket Number | 015389-002630US |

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|---------------------|-----------------------|---|--------------------------|
| LDL | C34 | KLINGELHUTZ, A. et al. "Restoration of Telomeres in Human Papillomavirus- Immortalized Human Anogenital Epithelial Cells"; <i>Molecular and Cellular Biology</i> ; Feb. 1994, pp. 961-969, Vol. 14, No. 2. | <input type="checkbox"/> |
| LDL | C35 | LEWIS, A. & CROWE, J.S. "Generation of humanized monoclonal antibodies by 'best fit' framework selection and recombinant polymerase chain reaction", <i>Year Immunol.</i> , 1993, pp. 110-118, Vol. 7 | <input type="checkbox"/> |
| LDL | C36 | Linking telomerase and tumors; <i>Genesis Report- Dx</i> ; 1995; Vol. 4, No. 6; Publisher Genesis Group Associates. | <input type="checkbox"/> |
| LDL | C37 | LUNDBLAD, V. & BLACKBURN, E., Letter to the Editor entitled, "RNA-Dependent Polymerase Motifs in EST1: Tentative Identification of a Protein Component of an Essential Yeast Telomerase", <i>Cell</i> , 23 Feb. 1990, pp. 529-530, Vol. 60. | <input type="checkbox"/> |
| LDL | C38 | LUSTIG, ARTHUR J., "The Identification of telomerase subunits: catalysing telomere research", <i>Trends in Cell Biology</i> ; August 1997, pp. 299-302, Vol. 7. | <input type="checkbox"/> |
| LDL | C39 | MALICKI, J. et al. "A human HOX4B regulatory element provides head-specific expression in <i>Drosophila</i> embryos", <i>Nature</i> , 23 July 1992, pp. 345-357, Vol. 358. | <input type="checkbox"/> |
| LDL | C40 | NAKAYAMA, J. et al. "Cloning of a Candidate cDNA Encoding a Proteinaceous Component of Mammalian Telomerase", <i>Molecular Biology Cell Abstracts Supp.</i> 7, 1996, p. 875-884, 286a Section 1864. | <input type="checkbox"/> |
| LDL | C41 | NATARAJAN et al. "Major histocompatibility complex determinants select T-cell receptor alpha chain variable region dominance in a peptide-specific response." <i>Proc. Natl. Acad. Sci.</i> , Oct 1992, pp. 8874-8878, Vol. 89. | <input type="checkbox"/> |
| LDL | C42 | PASZKOWSKI, JERZY et al. "Direct gene transfer to plants," <i>The EMBO Journal</i> , 1984, pp. 2717-2722, Vol. 3, No. 12. | |
| LDL | C43 | POTRYKUS, I. et al. "Direct gene transfer to cells of a graminaceous monocot", <i>Mol. Gen. Genet.</i> , 1985, pp. 183-188, Vol. 199. | <input type="checkbox"/> |
| LDL | C44 | RAYMOND, E., et al.; Agents that target telomerase and telomeres; <i>Curr. Opin. Biotechnol.</i> ; 1996; 7:583-91 | <input type="checkbox"/> |
| LDL | C45 | RHYU, M.S. "Telomeres, telomerase, and immortality"; <i>J. Natl. Cancer Inst.</i> ; 21 June 1995; pp. 884-894, Vol. 87, No. 12. | <input type="checkbox"/> |
| LDL | C46 | SCHENA et al. "Parallel human genome analysis: Microarray-based expression monitoring of 1000 genes", <i>Proc. Natl. Acad. Sci.</i> , Oct. 1996, pp. 10614-10619, Vol. 93, USA. | <input type="checkbox"/> |
| LDL | C47 | SCHWARTZ, H. et al. "Telomere Reduction in Giant Cell Tumor of Bone and with Aging"; <i>Cancer Genet Cyogenet.</i> ; 1993; pp. 132-138, Vol. 71, Elsevier Science Publishing Co., Inc., New York, U.S.A. | <input type="checkbox"/> |
| LDL | C48 | SINGER, M. "Unusual Reverse Transcriptases", <i>Journal of Biological Chemistry</i> ; 1995, pp. 24623-23626, Vol. 270, No. 42 | <input type="checkbox"/> |

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|---------------------|-----------------------|---|--------------------------|
| LSL | C49 | SMITH, J. & YEH, G. "Telomere Reduction in Endometrial Adenocarcinoma"; <i>Am. J. Obstet. Gynecol.</i> ; Dec. 1992; pp. 1883-1887, Vol. 167, No. 6 | <input type="checkbox"/> |
| LSL | C50 | TAIT, J. et al. "Structure and Polymorphisms of the Human Annexin III (ANX3) Gene", <i>Genomics</i> , 1993, pp. 79-86, Vol. 18, No. 1 | <input type="checkbox"/> |
| LSL | C51 | WINTER, G. & HARRIS, W. "Humanized Antibodies", <i>Trends Pharmacol. Sci.</i> , May 1993, pp. 139-143, Vol. 14. | <input type="checkbox"/> |
| LSL | C52 | WIRTH, URS et al; "Immediate-Early RNA 2.9 and Early RNA 2.6 of Bovine Herpesvirus 1 Are 3' Coterminal and Encode of Putative Zinc Finger Transactivator Protein"; <i>Journal of Virology</i> , May 1992; pp. 2763-2772, Vol. 66, No. 5. | <input type="checkbox"/> |
| LSL | C53 | ZAUG, ARTHUR et al., "Method for determining RNA 3' ends and application to human telomerase RNA", <i>Nucleic Acids Research</i> , 1996, pp. 532-533, Vol. 24, No. 3. | <input type="checkbox"/> |

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| | | Number | Kind Code ² (if known) | | | |
| L | A1 | US-6,440,735 B1 | | 08-27-2002 | Gaeta | |
| L | A2 | US-6,444,850 B1 | | 09-03-2003 | Cech et al. | |
| L | A3 | US-6,517,834 B1 | | 02-11-2003 | Weinrich et al. | |
| L | A4 | US-6,608,188 B1 | | 08-19-2003 | Tsuchiya et al. | |
| L | A5 | US-6,627,819 B2 | | 09-30-2003 | Cech et al. | |
| L | A6 | US 2002-0164788 A1 | | 11-07-2002 | Cech et al. | |
| L | A7 | US 2002-0187471 A1 | | 12-12-2002 | Cech et al. | |
| L | A8 | US 2003-0009019 A1 | | 01-09-2003 | Cech et al. | |
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| L | A12 | US 2003-0098344 A1 | | 05-22-2003 | Cech et al. | |
| L | A13 | U.S. Application No. 09/492,593 | | | Cech et al. | |
| L | A14 | U.S. Application No. 09/721,437 | | | Cech et al. | |
| L | A15 | U.S. Application No. 09/721,506 | | | Cech et al. | |
| L | A16 | U.S. Application No. 09/674,584 | | | Cech et al. | |

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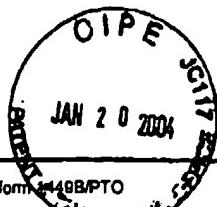
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**INFORMATION DISCLOSURE
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2

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2**Complete If Known**

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|-----------------------------|------------------|
| <i>Application Number</i> | 10/044,539 |
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| <i>First Named Inventor</i> | Cech, Thomas |
| <i>Art Unit</i> | 1646 |
| <i>Examiner Name</i> | not yet known |

Attorney Docket Number 015389-002630US

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|---------------------|-----------------------|---|----------------|
| LDL | C1 | ADAMS, MARK et al. "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence" <i>The Genome Directory: Supplement to Nature</i> 28 September 1995, 1995, pp. 3-174, Vol. 377, Issue 6547S. | |
| | C2 | | |

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